

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	10542	((((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 14:31
S2	207	(transd\$3 ultras\$4 ultra-s\$4) and(((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:16
S3	21	singal near phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 15:57
S4	75392	single near phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 15:58
S5	47162	angle near phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 15:58
S6	470351	slit slit near plate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 06:53
S7	3691745	light	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 15:59
S8	2	S2 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:00
S9	3	S2 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:02

## EAST Search History

S10	3822	S4 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:02
S11	72	S10 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:02
S12	0	S1 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:02
S13	367441	(transd\$3 ultras\$4 ultra-s\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 18:19
S14	9	S11 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:03
S15	120	(\$4detect\$3 sensor)near(((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 10:38
S16	1656	(\$4detect\$3 sensor)same(((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:15
S17	22	S16 and S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:16
S18	48199	(transd\$3 ultras\$4 ultra-s\$4) same (rotat\$3 (back near (forwardforth)) osillat\$3 around cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 14:32
S19	29	S18 and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:29

## EAST Search History

S20	23475	(transd\$3 ultras\$4 ultra-s\$4) with(rotat\$3 (back near (forwardforth)) osillat\$3 around cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:31
S21	2560	(transd\$3 ultras\$4 ultra-s\$4) near (rotat\$3 (back near (forwardforth)) osillat\$3 around cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:36
S22	0	S10 and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:31
S23	15	S20 and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:32
S24	1	S21 and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:32
S25	606	(transd\$3 ultras\$4 ultra-s\$4) near (3d xyz (x near y near z) S3 near dimension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:34
S26	306	(transd\$3 ultras\$4 ultra-s\$4) near (rotor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:35
S27	0	S16 and S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:35
S28	0	S16 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:35
S29	78084	(\$4detect\$3 sensor)near(rotat\$3 (back near (forwardforth)) osillat\$3 round cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 10:24

## EAST Search History

S30	11	S29 and S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:40
S31	26	S29 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:37
S32	11	S30 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:41
S33	0	S32 and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:41
S34	3	S30 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:43
S35	5	S31 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:43
S36	21	((((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM))near (rotat\$3 (back near (forwardforth)) osillat\$3 round cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 16:58
S37	984	((((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM))same (3d rotat\$3 (back near (forwardforth)) osillat\$3 round cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 06:39
S38	29	S37 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 17:01
S39	92536	magnet\$5 near electr\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 17:02

## EAST Search History

S40	4787	(magnet\$5 with (transform\$3 convert\$3 chang\$3) near electr\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 17:07
S41	245	S40 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 17:09
S42	21	((magnet\$5 near pattern) with (transform\$3 convert\$3 chang\$3) near electr\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 17:08
S43	1	S42 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 17:08
S44	74	((magnet\$5 same pattern) with (transform\$3 convert\$3 chang\$3) near electr\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 15:27
S45	2	S44 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 17:09
S46	10	S40 and S13 and patter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 17:10
S47	146	S40 and S13 and pattern	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/31 17:10
S48	367604	(transd\$3 ultras\$4 ultra-s\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 06:38
S49	99149	(transd\$3 ultras\$4 ultra-s\$4 PROBE) same (3d rotat\$3 (back near (forwardforth)) HARMON\$3 osillat\$3 round cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 06:40

## EAST Search History

S50	1660	(\$4detect\$3 sensor)same(((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 06:52
S51	10	S49 AND S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 06:52
S52	8721	(slitS second near slit) near plate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 06:54
S53	74973	"600"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 06:55
S54	57	S49 and S52	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 07:24
S55	13	"5427107"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 07:24
S56	23	("4151834"   "4375818"   "4391282"   "4397086"   "4433692"   "4794931"   "5000185"   "5024234"   "5067044"   "5070879"   "5092873"   "5125928"   "5135531").PN. OR ("5427107"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 07:25
S57	8721	(slitS second near slit) near plate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 10:21
S58	2336657	(slitS disks (second near (disk slit) near plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 10:23

## EAST Search History

S59	156090	((slit\$ disks (second near (disk slit near plate)))near(rotat\$3 (back near (forwardforth)) osillat\$3 round cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 11:55
S60	367604	(transd\$3 ultras\$4 ultra-s\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 10:28
S61	10556	((((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 10:29
S62	59540	magnet\$5 with pattern	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 10:34
S63	184967	electr\$3 near signal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 11:53
S64	131	((((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM)) with (magnet\$5 with pattern )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 10:37
S65	678	((((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM)) and (magnet\$5 with pattern )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 10:37
S66	9683	(\$4detect\$3 sensor) with((slit\$ disks (second near (disk slit near plate)))near(rotat\$3 (back near (forwardforth)) osillat\$3 round cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 10:39
S67	360	S60 and S66	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 10:39
S68	29	S67 and S63	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 10:54

## EAST Search History

S69	2	"5759155"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 10:54
S70	8	("3985448"   "4391282"   "4531412"   "4664121"   "4958290"   "5336884"   "5427107"   "5473584").PN. OR ("5759155"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 11:51
S71	47	"5070879"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 11:53
S72	7939938	(receiv\$3 detect sensor)(electr\$3 near signal) with ((slitS disks (second near (disk slit) near plate)))near(rotat\$3 (back near (forwardforth)) osillat\$3 round cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 11:56
S73	7	(receiv\$3 detect sensor)near(electr\$3 near signal) with ((slitS disks (second near (disk slit) near plate)))near(rotat\$3 (back near (forwardforth)) osillat\$3 round cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 12:02
S74	242042	(receiv\$3 detect sensor)same(electr\$3 near signal) sane ((slitS disks (second near (disk slit) near plate)))near(rotat\$3 (back near (forwardforth)) osillat\$3 round cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 12:03
S75	254	(receiv\$3 detect sensor)same(electr\$3 near signal) same ((slitS disks (second near (disk slit) near plate)))near(rotat\$3 (back near (forwardforth)) osillat\$3 round cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 12:04
S76	64	second same(receiv\$3 detect sensor)same(electr\$3 near signal) same ((slitS disks (second near (disk slit) near plate)))near(rotat\$3 (back near (forwardforth)) osillat\$3 round cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 12:11
S77	84	(least more plurality second) near(receiv\$3 detect sensor)same(electr\$3 near signal) same (slitS disks)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 12:21



## EAST Search History

S78	40	(least more plurality second) near(receiv\$3 detect sensor)with(electr\$3 near signal)same (slit\$ disks)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 12:28
S79	1312	((((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM)) same (rotat\$3 (back near (forwardforth)) osillat\$3 around cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 15:02
S80	367604	(transd\$3 ultras\$4 ultra-s\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 14:33
S81	540	((((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM)) same PATTERN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 14:34
S82	3	S79 AND S80 AND S81	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 14:34
S83	0	((((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM)) same (osillat\$3) WITH PATTERN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 14:36
S84	0	((((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM)) same (osillat\$3) SAME PATTERN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 14:36
S85	0	((((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM)) AND (osillat\$3) SAME PATTERN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 14:37
S86	0	((((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM)) SAME (osillat\$3) AND PATTERN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 14:37
S87	0	((((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM)) AND (osillat\$3) AND PATTERN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 14:37

## EAST Search History

S88	2791	(((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM)) same(ANG\$3 signal elect\$3 angle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 14:48
S89	1494	(((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM)) with (ANG\$3 signal elect\$3 angle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 15:37
S90	0	S89 with S80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 14:49
S91	34	S89 with (rotat\$3 (back near (forwardforth)) osillat\$3 around cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 14:56
S92	0	S89 with (rotat\$3 (back near (forwardforth)) osillat\$3 around cycle)with pattern	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 14:50
S93	16	S89 with pattern	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 14:51
S94	53	"5759155" "4531412" "5152294"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 14:57
S95	0	(((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM)) and S94	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 15:00
S97	0	(((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM)) with pattern with signal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 15:03
S98	36	(((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM)) same pattern same signal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 15:29

## EAST Search History

S99	34	((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM)) same ( angu\$3 angle near signal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 15:30
S10 0	48	((magnet\$5 Magnetoresistive)adj Random adj Access adj Memory) (MRAM)) with (ANG\$3 signal elect\$3 angle) with position	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/03 15:38
S10 1	2	"20060173329"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 15:49
S10 2	3	"6551245"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 18:18
S10 3	7716	(transd\$3 ultras\$6) same oscillat\$4 same (detect\$4 \$4sensor\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 18:21
S10 4	13241	(slits second) near (slits)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 18:21
S10 5	6	S103 and S104	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 18:21
S10 6	0	(transd\$3 ultras\$6) same oscillat\$4 same (detect\$4 \$4sensor\$3)same contril\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 18:22
S10 7	2872	(transd\$3 ultras\$6) same oscillat\$4 same (detect\$4 \$4sensor\$3)same control\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 18:22
S10 8	4	S104 and S107	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 18:25

## EAST Search History

S10 9	304	600/444	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 18:29
S11 0	3	S107 and S109	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 18:26
S11 1	75336	"600"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 18:45
S11 2	0	S107 and "9."	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 18:29
S11 3	148	S107 and S111	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 18:46
S11 4	49158	"128"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 18:45
S11 5	26	S107 and S114	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 18:51
S11 6	68	"4141347"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 19:02
S11 7	3	S116 and S107	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 18:52
S11 8	131	irioka.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 19:02

## EAST Search History

S119	10	S118 and S111	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 19:03
S120	1	S119 and S107	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/22 19:03
S121	2873	(transd\$3 ultras\$6) same oscillat\$4 same (detect\$4 \$4sensor\$3)same control\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 08:42
S122	111	(transd\$3 ultras\$6) same oscillat\$4 same (detect\$4 \$4sensor\$3)same control\$3 SAME ORIGIN\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 10:36
S123	49172	"128"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 08:43
S124	75373	"600"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 08:43
S125	49172	"128"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 08:44
S126	0	S122 AND S123	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 08:44
S127	6	S122 AND S124	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 09:51
S128	75655	single near phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 08:50

## EAST Search History

S12 9	3	S128 AND S122	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 08:51
S13 0	663	(transd\$3 ultras\$6) same oscillat\$4 same (detect\$4 \$4sensor\$3)same control\$3 SAME (start return back begin\$4 ORIGIN\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 11:01
S13 1	48	S124 and S130	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 10:41
S13 2	0	control\$3 SAME (transd\$3 ultras\$6) same (detect\$4 \$4sensor\$3)near oscillat\$4 near(start return back begin\$4 ORIGIN\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 11:04
S13 3	95	(detect\$4 \$4sensor\$3)near oscillat\$4 near(start return back begin\$4 ORIGIN\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 13:29
S13 4	41	"4151834"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 13:11
S13 5	101	(detect\$4 \$4sensor\$3)near oscillat\$4 near(start return revers\$3 back begin\$4 ORIGIN\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 13:37
S13 6	95	(detect\$4 \$4sensor\$3)near oscillat\$4 near(start return back begin\$4 ORIGIN\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 13:32
S13 7	6	S135 not S136	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 13:32
S13 8	37	"4399703"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 15:13

## EAST Search History

S13 9	2	"5759155"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/23 15:13
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